

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start		Rating **	A	Issue No.	2	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Operations & Maintenance Manuals				o	
					o	
DWR ID	DWR_ST0001_01_s _ 2013_2					
Action/Comments						
Inspector Comments: The Sacramento Maintenance Yard has copies of the O&M Manuals, but they need to be updated by the USACE.						

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_ST0001_01_s _ 2013_5				
Action/Comments					
Inspector Comments: The Sacramento Maintenance Yard maintains a stockpile of flood fight materials.					

No Photos

LM Start		Rating **	A	Issue No.	21
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_ST0001_01_s _ 2013_21				
Action/Comments					
Inspector Comments: The Sacramento Maintenance Yard remain current on their emergency response training and practices.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	0.19	Rating **	M	Issue No.	66
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.716904 °	38.716904 °
				-121.823218 °	-121.823218 °
DWR ID	DWR_ST0001_01_f_2015_66				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	1.33	Rating **	M	Issue No.	63
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.722302 °	38.722302 °
				-121.809424 °	-121.809424 °
DWR ID	DWR_ST0001_01_f_2015_63				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_ST0001_259_63_20151012_00078.jpg



View of the potholes created by vehicles on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.57	Rating **	U	Issue No.	17
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.732836 °	38.732685 °
				-121.797893 °	-121.797154 °
DWR ID					
Action/Comments					
Inspector Comments: Site identified as CRITICAL in 2002. 2006 - Currently constructing a setback levee. New failures present and extensive. Downstream end of the setback levee did not extend far enough. Upstream end was repaired. 2007 - DWR repaired with a setback levee, but the levee did not go far enough downstream. 2012 - New cracks observed. 2013 - Fresh erosion on upper bank. 2015: No observed changes. [2015 Site ID: CHC 2-4 L]					

Photo 1 of 1 : USACE2013A_CHC_2-4_L_2.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	2.62	Rating **	M	Issue No.	65
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.732808 °	38.732808 °
				-121.796988 °	-121.796988 °
DWR ID	DWR_ST0001_01_f_2015_65				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	64
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.733057 °	38.733057 °
				-121.796066 °	-121.796066 °
DWR ID	DWR_ST0001_01_f_2015_64				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.68	Rating **	M	Issue No.	19
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733080 °	38.733492 °
				-121.796013 °	-121.795293 °
DWR ID	DWR_ST0001_01_s_2012_19				
Action/Comments					
Equipment					

Photo 1 of 2 : FA_2015_ST0001_259_19_20150914_00017.jpg



The equipment is stored at the toe of the levee. Fall 2011

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	2.68	Rating **	M	Issue No.	19 (cont)
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733080 °	38.733492 °
				-121.796013 °	-121.795293 °
DWR ID	DWR_ST0001_01_s_2012_19				
Action/Comments					
Equipment					

Photo 2 of 2 : FA_2015_ST0001_259_19_20150914_00018.jpg



Equipment and parts stacked along the levee toe and slope. Spring 2014

LM Start	2.82	Rating **	M	Issue No.	38
LM End	2.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.734067 °	38.734171 °
				-121.793713 °	-121.792992 °
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Large new failure. 2008 - Plans for repair currently in the design phase. 2010 - Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2015: No observed changes. [2015 Site ID: CHC_2-8_L]					

Photo 1 of 1 : USACE2013A_CHC_2-8_L_2.jpg



USACE 2013 Photo #1

LM Start	3.21	Rating **	C	Issue No.	44
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.735165 °	38.735165 °
				-121.786773 °	-121.786773 °
DWR ID	DWR_ST0001_01_s_2015_44				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	3.48	Rating **	M	Issue No.	1
LM End	3.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.732942 °	38.731626 °
				-121.784965 °	-121.785231 °
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Some significant new erosion, especially fresh upper bank slumping. Still substantial berm. 2010 - Site extended downstream, some new erosion, heavily vegetated and hard to see. Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2015: No observed changes. [2015 Site ID: CHC_3-4_L]					

Photo 1 of 1 : USACE2013A_CHC_3-4_L_6.jpg



USACE 2013 Photo #1

LM Start	3.88	Rating **	C	Issue No.	30
LM End	3.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.728165 °	38.727600 °
				-121.781673 °	-121.780359 °
DWR ID					
Action/Comments					
Inspector Comments: Site identified as CRITICAL in 2006. 2006 - Some significant new erosion, especially fresh upper bank slumping. Also have a small piping failure due to recent overbank flows. 2007 - Some new minor upper bank slumps. 2010 - Planned setback levee by CA DWR, 100% design complete, construction planned for 2011. 2011 - Minor new erosion, construction delayed to 2012. 2012 - Minimal new erosion, construction planned for 2013. 2013 - Site repaired by CA Department of Water Resources with a setback levee. 2015: [2015 Site ID: CHC_3-9_L]					

No Photos

LM Start	4.14	Rating **	C	Issue No.	18
LM End	4.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.727261 °	38.726903 °
				-121.776921 °	-121.774435 °
DWR ID					
Action/Comments					
Inspector Comments: Site identified as CRITICAL in 2006. 2006 - Some significant new erosion, especially fresh upper bank slumping. Also have a small piping failure due to recent overbank flows. 2010 - New erosion, flood fought in early 2010. Planned setback levee by CA DWR, 100% designs complete, construction planned for 2011. 2011 - Large sections of bank have slumped since the previous year. 2012 - Significant new erosion along top of bank. Construction planned for 2013. 2013 - Site repaired by CA Department of Water Resources with a setback levee. 2015: [2015 Site ID: CHC 4-2 L]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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LM Start	4.28	Rating **	M	Issue No.	27
LM End	4.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727047 °	38.726113 °
				-121.774413 °	-121.771929 °
DWR ID	DWR_ST0001_01_s_2012_27				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_ST0001_259_27_20151012_00059.jpg



View of the landscape trees on the landward side of the levee looking upstream. Fall 2015.

LM Start	5.17	Rating **	M	Issue No.	61
LM End	5.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.720705 °	38.720705 °
				-121.761009 °	-121.761009 °
DWR ID	DWR_ST0001_01_f_2015_61				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	5.71	Rating **	A	Issue No.	23
LM End	11.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.723660 °	38.698622 °
				-121.755130 °	-121.674202 °
DWR ID	DWR_ST0001_01_f_2015_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_259_23_20151012_00037.jpg



View of the vegetation on the waterward side of the levee looking upstream taken at levee mile 11.69. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	6.26	Rating **	M	Issue No.	58
LM End	6.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.727955 °	38.727955 °
				-121.747124 °	-121.747124 °
DWR ID	DWR_ST0001_01_f_2015_58				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.52	Rating **	M	Issue No.	52
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.728824 °	38.728858 °
				-121.742494 °	-121.741821 °
DWR ID	DWR_ST0001_01_f_2015_52				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_ST0001_259_52_20151012_00054.jpg



LM Start	6.56	Rating **	A	Issue No.	22
LM End	11.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.728859 °	38.698622 °
				-121.741821 °	-121.674202 °
DWR ID	DWR_ST0001_01_f_2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_259_22_20151012_00038.jpg



View of the vegetation on the landward side of the levee looking upstream taken at levee mile 11.69. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	7.34	Rating **	M	Issue No.	56
LM End	7.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728025 °	38.728025 °
				-121.727829 °	-121.727829 °
DWR ID	DWR_ST0001_01_f_2015_56				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_ST0001_259_56_20151012_00049.jpg



View of the broken tree branches on the waterward side of the levee looking upstream. Fall 2015.

LM Start	7.60	Rating **	M	Issue No.	54
LM End	7.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.729218 °	38.729218 °
				-121.723325 °	-121.723325 °
DWR ID	DWR_ST0001_01_f_2015_54				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_ST0001_259_54_20151012_00048.jpg



View of the rodent holes on the waterward side of the levee looking downstream. Fall 2015.

LM Start	7.69	Rating **	M	Issue No.	29
LM End	7.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.729027 °	38.729027 °
				-121.721683 °	-121.721683 °
DWR ID	DWR_ST0001_01_s_2015_29				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	9.38	Rating **	M	Issue No.	37
LM End	9.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.719392 °	38.719392 °
				-121.696879 °	-121.696879 °
DWR ID	DWR_ST0001_01_f_2015_37				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_ST0001_259_37_20151012_00040.jpg



View of the rodent hole on the waterward side of the levee looking upstream. Fall 2015.

LM Start	9.38	Rating **	M	Issue No.	37 (cont)
LM End	9.38	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_ST0001_259_37_20151012_00042.jpg



View of the rodent hole on the waterward side of the levee looking downstream. Fall 2015.

LM Start	9.72	Rating **	M	Issue No.	35
LM End	9.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.714413 °	38.714413 °
				-121.697168 °	-121.697168 °
DWR ID	DWR_ST0001_01_f_2015_35				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_ST0001_259_35_20151012_00039.jpg



View of the rodent hole on the waterward side of the levee looking upstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/07/2015 10/08/2015	Jai Lor

LM Start	10.00	Rating **	M	Issue No.	25
LM End	10.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.710321 °	38.710321 °
				-121.697494 °	-121.697494 °
DWR ID	DWR_ST0001_01_f_2015_25				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	0.01	Rating **	A	Issue No.	5
LM End	11.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727240 °	38.678067 °
				-121.806270 °	-121.673114 °
DWR ID	DWR_ST0001_02_f_2015_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_260_5_20151012_00020.jpg



View of the vegetation on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.01	Rating **	A	Issue No.	4
LM End	11.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727243 °	38.678067 °
				-121.806253 °	-121.673114 °
DWR ID	DWR_ST0001_02_f_2015_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_260_4_20151012_00019.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

LM Start	0.18	Rating **	N	Issue No.	10
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.729560 °	38.729560 °
				-121.805231 °	-121.805231 °
DWR ID	DWR_ST0001_02_f_2015_10				
Action/Comments					
Tree stumps.					
Inspector Comments: The stump is located at the levee toe.					

Photo 1 of 1 : FA_2015_ST0001_260_10_20151012_00021.jpg



View of the tree stump at the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	0.27	Rating **	N	Issue No.	6
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.730723 °	38.730723 °
				-121.804972 °	-121.804972 °
DWR ID	DWR_ST0001_02_s _ 2014_6				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_ST0001_260_6_20150914_00004.jpg



A large black walnut tree stump is at the toe of the levee. Spring 2014

LM Start	0.53	Rating **	M	Issue No.	16
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.732759 °	38.732759 °
				-121.801652 °	-121.801652 °
DWR ID	DWR_ST0001_02_f _ 2015_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.60	Rating **	A/W	Issue No.	11
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.731652 °	38.731652
				-121.786253 °	-121.786253
DWR ID	DWR_ST0001_02_s _ 2015_11				
Action/Comments					
Inspector Comments: The erosion is down by the channel and does not appear to be in the levee prism.					

Photo 1 of 2 : FA_2015_ST0001_260_11_20150914_00008.jpg



The view of the erosion from a distance. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	1.60	Rating **	A/W	Issue No.	11 (cont)
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.731652 °	38.731652 °
				-121.786253 °	-121.786253 °
DWR ID	DWR_ST0001_02_s _ 2015_11				
Action/Comments					
Inspector Comments: The erosion is down by the channel and does not appear to be in the levee prism.					

Photo 2 of 2 : FA_2015_ST0001_260_11_20150914_00009.jpg



View of the erosion on the channel looking downstream. Spring 2015.

LM Start	1.74	Rating **	C	Issue No.	15
LM End	1.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.729765 °	38.729765 °
				-121.785397 °	-121.785397 °
DWR ID	DWR_ST0001_02_s _ 2015_15				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	3
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726182 °	38.726182 °
				-121.774835 °	-121.774835 °
DWR ID	DWR_ST0001_02_s _ 2012_3				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_ST0001_260_3_20151012_00024.jpg



View of the concrete pile at the toe of the landward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	3.06	Rating **	M	Issue No.	21
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.720565 °	38.720565
				-121.765306 °	-121.765306
DWR ID	DWR_ST0001_02_f_2015_21				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_ST0001_260_21_20151012_00028.jpg



View of the potholes created from vehicles on the waterward side of the levee looking downstream. Fall 2015.

LM Start	3.07	Rating **	A/W	Issue No.	20
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.720466 °	38.720466 °
				-121.765027 °	-121.765027 °
DWR ID	DWR_ST0001_02_f_2015_20				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Suggest monitoring the slopes in the area for slope damage due to vehicle access.					

Photo 1 of 1 : FA_2015_ST0001_260_20_20151012_00027.jpg



View of the slope stability caused by vehicles on the landward side of the levee looking downstream. Fall 2015.

LM Start	3.44	Rating **	M	Issue No.	22
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.720862 °	38.720862 °
				-121.759540 °	-121.759540 °
DWR ID	DWR_ST0001_02_f_2015_22				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_ST0001_260_22_20151012_00029.jpg



View of the potholes created by vehicle access on the waterward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	3.53	Rating **	M	Issue No.	2
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.722138 °	38.723294 °
				-121.759736 °	-121.759588 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Large slump on the upper berm, a tree has recently slid down the slope. 2011 - Large slump and new erosion. 2012 - Slightly steeper slopes and cracks observed. 2015: No observed changes. [2015 Site ID: CHC_3-5_R]					

Photo 1 of 1 : USACE2013A_CHC_3-5_R_7.jpg



USACE 2013 Photo #1

LM Start	3.53	Rating **	A/W	Issue No.	7
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.722228 °	38.723322 °
				-121.759663 °	-121.759317 °
DWR ID	DWR_ST0001_02_s_2012_7				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_ST0001_260_7_20151012_00030.jpg



View of the landscaping and fence on the landward side of the levee looking downstream. Fall 2015.

LM Start	3.85	Rating **	M	Issue No.	23
LM End	3.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.722583 °	38.722583
				-121.755458 °	-121.755458
DWR ID	DWR_ST0001_02_f_2015_23				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_ST0001_260_23_20151012_00033.jpg



View of the animal holes on the waterward side of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/07/2015 10/07/2015	Jai Lor

LM Start	5.33	Rating **	M	Issue No.	13
LM End	5.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.722933 °	38.723467 °
				-121.760561 °	-121.760436 °
DWR ID					

Action/Comments
Inspector Comments: 2009 - Erosion into the levee slope. 2010 - Minor new erosion. 2011 - New erosion and a freshly fallen tree. 2012 - New animal holes and slightly steeper slopes. 2013 - New tree popout and 2 feet of erosion along the top bank. 2015: No observed changes. [2015 Site ID: CHC_5-4_L]

Photo 1 of 1 : USACE2013A_CHC_5-4_L_2.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	10/07/2015 10/07/2015	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	2
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727221 °	38.695528 °
				-121.718294 °	-121.715918 °
DWR ID	DWR_ST0001_04_f_2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_261_2_20151012_00002.jpg



View of the vegetation on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.00	Rating **	A	Issue No.	1
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727220 °	38.695528 °
				-121.718294 °	-121.715918 °
DWR ID	DWR_ST0001_04_f_2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The LMA has burned and dragged the levee.					

Photo 1 of 1 : FA_2015_ST0001_261_1_20151012_00001.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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